

What is claimed is:

1. A system for telephony call control, comprising:

a) a call control server coupled to one of a telephone  
5 or a PBX and coupled to a wireless network, said call  
control server having call control capabilities and  
wireless network communication capabilities; and

b) a hand held wireless device having wireless network  
communication capabilities, wherein

10 said call control server sends a message to said  
hand held wireless device when a call is received and  
responds to messages from said hand held wireless device  
for processing the call.

15 2. A system according to claim 1, wherein:

said hand held wireless device is a personal digital  
assistant.

3. A system according to claim 1, wherein:

20 said hand held wireless device is a cell phone with  
computing capabilities.

4. A system according to claim 1, wherein:

25 said call control server is a computer coupled to a  
telephone having CTI capabilities.

5. A system according to claim 1, wherein:

30 said call control server is a teleworking server  
coupled to a PBX.

6. A system according to claim 1, further comprising:

c) a wireless network gateway/router coupled to said  
call control server.

7. A system according to claim 6, wherein:

said wireless network gateway/router is a LAN wireless network gateway/router.

5 8. A system according to claim 6, wherein:

said wireless network gateway/router is a WAN wireless network gateway/router.

9. A system according to claim 7, wherein:

10 said wireless network gateway/router is an IEEE 802.11b wireless network gateway/router.

10. A system according to claim 7, wherein:

15 said wireless network gateway/router is an SMDS wireless network gateway/router.

11. An apparatus for use with a hand held wireless device for remote telephony call control, comprising:

20 a) a call control server coupled to one of a telephone or a PBX, said call control server having call control capabilities and wireless network communication capabilities; and

b) a wireless network gateway/router coupled to said call control server, wherein

25 said call control server sends a message to the hand held wireless device when a call is received and responds to messages from the hand held wireless device for processing the call.

30 12. An apparatus according to claim 11, wherein:

said call control server is a computer coupled to a telephone having CTI capabilities.

13. An apparatus according to claim 11, wherein:

35 said server is a teleworking server coupled to a PBX.

14. An apparatus according to claim 11, wherein:  
said wireless network gateway/router is a LAN  
wireless network gateway/router.

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15. An apparatus according to claim 11, wherein:  
said wireless network gateway/router is a WAN  
wireless network gateway/router.

10 16. An apparatus according to claim 14, wherein:  
said wireless network gateway/router is an IEEE  
802.11b wireless network gateway/router.

15 17. An apparatus according to claim 15, wherein:  
said wireless network gateway/router is an SMDS  
network wireless gateway/router.

18. An apparatus for use with a call control server  
coupled to one of a telephone or a PBX and coupled to a  
20 wireless network, comprising:  
a hand held wireless device having wireless network  
communication capabilities, wherein  
said hand held wireless device receives a message  
from the call control server when a call is received and  
25 responds to messages from the call control server for  
processing the call.

19. An apparatus according to claim 18, wherein:  
said hand held wireless device is a personal digital  
30 assistant.

20. An apparatus according to claim 18, wherein:  
said hand held wireless device is a cell phone with  
computing capabilities.

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21. An apparatus according to claim 18, wherein:  
said wireless network communication capabilities are  
LAN wireless network communication capabilities.

5 22. An apparatus according to claim 18, wherein:  
said wireless network communication capabilities are  
WAN wireless network communication capabilities.

23. An apparatus according to claim 21, wherein:  
10 said wireless network communication capabilities are  
IEEE 802.11b wireless network communication capabilities.

24. An apparatus according to claim 22, wherein:  
said wireless network communication capabilities are  
15 SMDS wireless network communication capabilities.

25. A method for telephony call control, comprising the  
steps of:

a) coupling a call control server having call control  
20 and wireless network communication capabilities to one of  
a telephone or a PBX;

b) coupling said call control server to a wireless  
network; and

c) utilizing said call control server to:  
25 1) send a message to a hand held wireless device  
having call control capabilities and wireless  
network communication capabilities when a call is  
received; and  
2) respond to messages from said hand held wireless  
30 device for processing the call.

26. A method for use with a hand held wireless device for remote telephony call control, comprising the steps of:

- 5 a) coupling a call control server having call control and wireless network communication capabilities to one of a telephone or a PBX;
- b) coupling a wireless network gateway/router to said call control server; and
- 10 c) utilizing said call control server to:
  - 1) send a message to the hand held wireless device having call control capabilities and wireless network communication capabilities when a call is received; and
  - 15 2) respond to messages from said hand held wireless device for processing the call.

27. A method for use with a call control server coupled to one of a telephone or a PBX and coupled to a wireless
- 20 network, comprising the steps of utilizing said call control server to send a message to a hand held wireless device having call control capabilities and wireless network communication capabilities when a call is received; and respond to messages from said hand held
  - 25 wireless device for processing the call.